

### ABSTRACT OF THE DISCLOSURE

5 The liquid pump has a pressure vessel with end-openings for hermetically holding liquid therein. The liquid flows from one of the end-openings to the other end-opening by utilizing a difference in a coefficient of thermal expansion of the pressure vessel and the liquid caused by heating or cooling the pressure vessel and the liquid together. The pressure vessel is a tube having an inner diameter of about 0.5 mm or less and a length of about 10 m or more.